Hui Chen

List of Publications by Year
in descending order

51 papers	1,843 citations	257101 24 h-index	264894 42 g-index
51 all docs	51 docs citations	51 times ranked	2742 citing authors

#	Article	IF	Citations
1	An ultrasensitive polydopamine bi-functionalized SERS immunoassay for exosome-based diagnosis and classification of pancreatic cancer. Chemical Science, 2018, 9, 5372-5382.	3.7	166
2	Protein chips and nanomaterials for application in tumor marker immunoassays. Biosensors and Bioelectronics, 2009, 24, 3399-3411.	5.3	116
3	DNase I enzyme-aided fluorescence signal amplification based on graphene oxide-DNA aptamer interactions for colorectal cancer exosome detection. Talanta, 2018, 184, 219-226.	2.9	112
4	Visual and Highly Sensitive Detection of Cancer Cells by a Colorimetric Aptasensor Based on Cell-Triggered Cyclic Enzymatic Signal Amplification. Analytical Chemistry, 2014, 86, 5567-5572.	3.2	92
5	Free radical sensors based on inner-cutting graphene field-effect transistors. Nature Communications, 2019, 10, 1544.	5.8	85
6	Recent Progress in Detection and Profiling of Cancer Cellâ€Derived Exosomes. Small, 2021, 17, e2007971.	5.2	79
7	A real-time microfluidic multiplex electrochemical loop-mediated isothermal amplification chip for differentiating bacteria. Biosensors and Bioelectronics, 2014, 60, 84-91.	5.3	78
8	Visual and high-throughput detection of cancer cells using a graphene oxide-based FRET aptasensing microfluidic chip. Lab on A Chip, 2012, 12, 4864.	3.1	77
9	A novel enzyme-free electrochemical biosensor for rapid detection of Pseudomonas aeruginosa based on high catalytic Cu-ZrMOF and conductive Super P. Biosensors and Bioelectronics, 2019, 142, 111486.	5.3	68
10	A new biosensor based on the recognition of phages and the signal amplification of organic-inorganic hybrid nanoflowers for discriminating and quantitating live pathogenic bacteria in urine. Sensors and Actuators B: Chemical, 2018, 258, 803-812.	4.0	67
11	Ratiometric Fluorescent Silicon Quantum Dotsâ€“Ce6 Complex Probe for the Live Cell Imaging of Highly Reactive Oxygen Species. ACS Applied Materials & Interfaces, 2017, 9, 2052-2058.	4.0	63
12	Surface Plasmon Coupling Electrochemiluminescence Immunosensor Based on Polymer Dots and AuNPs for Ultrasensitive Detection of Pancreatic Cancer Exosomes. Analytical Chemistry, 2022, 94, 837-846.	3.2	53
13	Cisplatin and paclitaxel target significant long noncoding RNAs in laryngeal squamous cell carcinoma. Medical Oncology, 2014, 31, 246.	1.2	52
14	A label-free and high-efficient GO-based aptasensor for cancer cells based on cyclic enzymatic signal amplification. Biosensors and Bioelectronics, 2017, 91, 76-81.	5.3	46
15	Circular RNAs and their roles in head and neck cancers. Molecular Cancer, 2019, 18, 44.	7.9	44
16	Rapid detection of malachite green residues in fish using a surface-enhanced Raman scattering-active glass fiber paper prepared by in situ reduction method. Talanta, 2019, 200, 272-278.	2.9	44
17	A novel exonuclease III aided amplification method for sensitive nucleic acid detection based on single walled carbon nanotube induced quenching. Chemical Communications, 2012, 48, 269-271.	2.2	38
18	BMI1'S maintenance of the proliferative capacity of laryngeal cancer stem cells. Head and Neck, 2011, 33, 1115-1125.	0.9	37

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19	An intelligent and biocompatible photosensitizer conjugated silicon quantum dotsâ€“MnO₂ nanosystem for fluorescence imaging-guided efficient photodynamic therapy. Journal of Materials Chemistry B, 2018, 6, 4592-4601.	2.9	33
20	Sensitive polydopamine bi-functionalized SERS immunoassay for microalbuminuria detection. Biosensors and Bioelectronics, 2019, 142, 111542.	5.3	33
21	Graphene Oxide-Based Suppression of Nonspecificity in Loop-Mediated Isothermal Amplification Enabling the Sensitive Detection of Cyclooxygenase-2 mRNA in Colorectal Cancer. Analytical Chemistry, 2019, 91, 15694-15702.	3.2	31
22	BMI1 promotes the progression of laryngeal squamous cell carcinoma. Oral Oncology, 2011, 47, 472-481.	0.8	30
23	Voltammetric immunoassay for Mycobacterium tuberculosis secretory protein MPT64 based on a synergistic amplification strategy using rolling circle amplification and a gold electrode modified with graphene oxide, Fe3O4 and Pt nanoparticles. Mikrochimica Acta, 2018, 185, 436.	2.5	28
24	A fluoride activated methylene blue releasing platform for imaging and antimicrobial photodynamic therapy of human dental plaque. Chemical Communications, 2018, 54, 13115-13118.	2.2	27
25	A novel near-infrared protein assay based on the dissolution and aggregation of aptamer-wrapped single-walled carbon nanotubes. Chemical Communications, 2009, , 5006.	2.2	25
26	Aptamer-Initiated Catalytic Hairpin Assembly Fluorescence Assay for Universal, Sensitive Exosome Detection. Analytical Chemistry, 2022, 94, 5723-5728.	3.2	25
27	Fast detection of E. coli with a novel fluorescent biosensor based on a FRET system between UCNPs and GO@Fe₃O₄ in urine specimens. Analytical Methods, 2021, 13, 2209-2214.	1.3	23
28	Clinical significance of serum IGFBPâ€3 in colorectal cancer. Journal of Clinical Laboratory Analysis, 2019, 33, e22912.	0.9	22
29	Whole-Brain Monosynaptic Inputs to Hypoglossal Motor Neurons in Mice. Neuroscience Bulletin, 2020, 36, 585-597.	1.5	22
30	Lab in a tube: Isolation, extraction, and isothermal amplification detection of exosomal long noncoding RNA of gastric cancer. Talanta, 2021, 225, 122090.	2.9	22
31	Hepatic artery infusion with raltitrexed or 5-fluorouracil for colorectal cancer liver metastasis. World Journal of Gastroenterology, 2017, 23, 1406.	1.4	22
32	Colorimetric determination of staphylococcal enterotoxin B via DNAzyme-guided growth of gold nanoparticles. Mikrochimica Acta, 2016, 183, 2753-2760.	2.5	20
33	A novel specific and ultrasensitive method detecting extracellular vesicles secreted from lung cancer by padlock probe-based exponential rolling circle amplification. Nano Today, 2022, 42, 101334.	6.2	19
34	Fluorescent polymer dots and graphene oxide based nanocomplexes for â€œoff-onâ€•detection of metalloproteinase-9. Nanoscale, 2019, 11, 20903-20909.	2.8	17
35	Surface-enhanced Raman scattering detection of dibenzothiophene and its derivatives without Ï€ acceptor compound using multilayer Ag NPs modified glass fiber paper. Talanta, 2020, 220, 121357.	2.9	16
36	EZH2 is overexpressed in laryngeal squamous cell carcinoma and enhances the stem-like properties of AMC-HN-8 cells. Oncology Letters, 2016, 12, 837-846.	0.8	15

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37	Cascade signal amplification for sensitive detection of exosomes by integrating tyramide and surface-initiated enzymatic polymerization. Chemical Communications, 2020, 56, 12793-12796.	2.2	15
38	Rapid and specific detection nanoplatform of serum exosomes for prostate cancer diagnosis. Mikrochimica Acta, 2021, 188, 283.	2.5	14
39	Terminal deoxynucleotidyl transferase based signal amplification for enzyme-linked aptamer-sorbent assay of colorectal cancer exosomes. Talanta, 2020, 218, 121089.	2.9	13
40	Sensitive fluorescent sensor for the fuzzy exosomes in serum based on the exosome imprinted polymer sandwiched with aggregation induced emission. Sensors and Actuators B: Chemical, 2022, 358, 131182.	4.0	11
41	Real-time fluorescence loop-mediated isothermal amplification assay for rapid and sensitive detection of Streptococcus gallolyticus subsp. gallolyticus associated with colorectal cancer. Analytical and Bioanalytical Chemistry, 2019, 411, 6877-6887.	1.9	10
42	Dual-modality loop-mediated isothermal amplification for pretreatment-free detection of Septin9 methylated DNA in colorectal cancer. Mikrochimica Acta, 2021, 188, 307.	2.5	6
43	Overexpressed miR-128a enhances chemoradiotherapy to laryngeal cancer cells and its correlation with BMI1. Future Oncology, 2018, 14, 611-620.	1.1	5
44	The expression and clinical significance of miR-1226 in patients with periodontitis. BMC Oral Health, 2021, 21, 487.	0.8	5
45	Facile Synthesis Strategy from Sludge-Derived Extracellular Polymeric Substances to Nitrogen-Doped Graphene Oxide-Like Material and Quantum Dots. ACS Omega, 2021, 6, 24940-24948.	1.6	4
46	Clinical efficacy of neoadjuvant chemotherapy with platinum-based regimen for patients with locoregionally advanced head and neck squamous cell carcinoma: an evidence-based meta-analysis. Annals of Saudi Medicine, 2011, 31, 502-512.	0.5	4
47	Clinical significance of serum S100A10 in lung cancer. Journal of International Medical Research, 2021, 49, 030006052110496.	0.4	4
48	Evaluation of serum insulin-like growth factor 1 and its significance in thyroid cancer. Medicine (United States), 2021, 100, e26165.	0.4	2
49	Facile Preparation and Extensive Characterization of Naproxenâ€“Î²-Cyclodextrin Inclusion Complex. Journal of Analysis and Testing, 2017, 1, 1.	2.5	1
50	Mid-term outcomes of uncemented or cemented arthroplasty revision following metal-on-metal total hip arthroplasty failure: a retrospective observational study. Journal of International Medical Research, 2020, 48, 030006052093205.	0.4	1
51	DIAPH1 Promotes Laryngeal Squamous Cell Carcinoma Progression Through Cell Cycle Regulation. Frontiers in Oncology, 2021, 11, 716876.	1.3	1